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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Nobuaki HONDA

Appl. No. Unassigned

Filed: February 28, 2002

For: INTEGRATED SENSOR DEVICE
AND MEASURING SYSTEM
USING THE SAME

Int'l. Appln. No.: PCT/JP01/05510

Int'l. Filing Date: June 27, 2001

Atty. Docket No.: 36989-177852

Customer No.



26694

PATENT TRADEMARK OFFICE

Preliminary Amendment

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to calculation of the fees, please amend claims 3-7 and 9-11 attached to the specification as follows:

3. (Amended) The integrated sensor device according to claim 1, wherein the control unit has memory for pre-storing correcting information to correct the measurement result of the detection unit, and in operation the control unit corrects the measurement result in accordance with the correcting information and transmits the corrected measurement result from the antenna unit.

4. (Amended) A reading device comprising:

an antenna unit for receiving the measurement result transmitted from the integrated sensor device according to claim 1, and for transmitting energy to be supplied to the integrated sensor device; and

a display unit for displaying information on the measurement result received

5. (Amended) A measuring system comprising:

the integrated sensor device according to claim 1;

a container for storing a plurality of the integrated sensor devices;

an actuator for actuating predetermined number of the integrated sensor devices stored in the container to be usable and for removing the deteriorated integrated sensor device;

a controller for controlling operation of the actuator based on decision of whether performance of the integrated sensor device is deteriorated or predetermined time for use terminates; and

an antenna unit for receiving the measurement result transmitted from the integrated sensor device in use and for transmitting energy to be supplied to the integrated sensor device.

6. (Amended) A measuring system comprising:

the integrated sensor device according to claim 1;

a plurality of containers, each of which stores the integrated sensor device one by one;

an actuator for actuating predetermined number of the integrated sensor devices stored in the container to be usable and for removing the deteriorated integrated sensor device;

a controller for controlling operation of the actuator based on decision of whether performance of the integrated sensor device is deteriorated or predetermined time for use terminates; and

an antenna unit for receiving the measurement result transmitted from the integrated sensor device in use and for transmitting energy to be supplied to the integrated sensor device.

7. (Amended) The measuring system according to claim 5, wherein the container has a seal to prevent invasion of gas or liquid from outside.

9. (Amended) The measuring system comprising:

the integrated sensor device according to claim 1;

a plurality of containers, each of which has a lid partly or wholly made by thin membrane, for sealing the integrated sensor device one by one inside together with

gas or liquid to maintain the integrated sensor device in stability;

an actuator for actuating predetermined number of the integrated sensor devices stored in the container to be usable and for removing the deteriorated integrated sensor device by opening an aperture in the thin membrane of the container;

a controller for controlling operation of the actuator based on decision of whether performance of the integrated sensor device is deteriorated or predetermined time for use terminates; and

an antenna unit for receiving the measurement result transmitted from the integrated sensor device in use and for transmitting energy to be supplied to the integrated sensor device.

10. (Amended) A container device comprising storage for storing a plurality of the integrated sensor devices according to claim 1, in seal.

11. (Amended) A container device comprising storage for storing the integrated sensor device according to claim 1, in seal one by one.

Please add the following new claims:

12. (New) The integrated sensor device according to claim 2, wherein the control unit has memory for pre-storing correcting information to correct the measurement result of the detection unit, and in operation the control unit corrects the measurement result in accordance with the correcting information and transmits the corrected measurement result from the antenna unit.

13. (New) A reading device comprising:

an antenna unit for receiving the measurement result transmitted from the integrated sensor device according to claim 2, and for transmitting energy to be supplied to the integrated sensor device; and

a display unit for displaying information on the measurement result received from the integrated sensor device through the antenna unit.

14. (New) A reading device comprising:

an antenna unit for receiving the measurement result transmitted from the integrated sensor device according to claim 3, and for transmitting energy to be supplied to the integrated sensor device; and

a display unit for displaying information on the measurement result received from the integrated sensor device through the antenna unit.

15. (New) A measuring system comprising:

the integrated sensor device according to claim 2;

a container for storing a plurality of the integrated sensor devices;

an actuator for actuating predetermined number of the integrated sensor devices stored in the container to be usable and for removing the deteriorated integrated sensor device;

a controller for controlling operation of the actuator based on decision of whether performance of the integrated sensor device is deteriorated or predetermined time for use terminates; and

an antenna unit for receiving the measurement result transmitted from the integrated sensor device in use and for transmitting energy to be supplied to the integrated sensor device.

16. (New) A measuring system comprising:

the integrated sensor device according to claim 3;

a container for storing a plurality of the integrated sensor devices;

an actuator for actuating predetermined number of the integrated sensor devices stored in the container to be usable and for removing the deteriorated integrated sensor device;

a controller for controlling operation of the actuator based on decision of whether performance of the integrated sensor device is deteriorated or predetermined time for use terminates; and

an antenna unit for receiving the measurement result transmitted from the integrated sensor device in use and for transmitting energy to be supplied to the integrated sensor device.

17. (New) A measuring system comprising:
the integrated sensor device according to claim 2;
a plurality of containers, each of which stores the integrated sensor device one by one;

an actuator for actuating predetermined number of the integrated sensor devices stored in the container to be usable and for removing the deteriorated integrated sensor device;

a controller for controlling operation of the actuator based on decision of whether performance of the integrated sensor device is deteriorated or predetermined time for use terminates; and

an antenna unit for receiving the measurement result transmitted from the integrated sensor device in use and for transmitting energy to be supplied to the integrated sensor device.

18. (New) A measuring system comprising:
the integrated sensor device according to claim 3;
a plurality of containers, each of which stores the integrated sensor device one by one;

an actuator for actuating predetermined number of the integrated sensor devices stored in the container to be usable and for removing the deteriorated integrated sensor device;

a controller for controlling operation of the actuator based on decision of whether performance of the integrated sensor device is deteriorated or predetermined time for use terminates; and

an antenna unit for receiving the measurement result transmitted from the integrated sensor device in use and for transmitting energy to be supplied to the integrated sensor device.

19. (New) The measuring system according to claim 6, wherein the container has a seal to prevent invasion of gas or liquid from outside.

20. (New) The measuring system comprising:

the integrated sensor device according to claim 2;

a plurality of containers, each of which has a lid partly or wholly made by thin membrane, for sealing the integrated sensor device one by one inside together with gas or liquid to maintain the integrated sensor device in stability;

an actuator for actuating predetermined number of the integrated sensor devices stored in the container to be usable and for removing the deteriorated integrated sensor device by opening an aperture in the thin membrane of the container;

a controller for controlling operation of the actuator based on decision of whether performance of the integrated sensor device is deteriorated or predetermined time for use terminates; and

an antenna unit for receiving the measurement result transmitted from the integrated sensor device in use and for transmitting energy to be supplied to the integrated sensor device.

21. The measuring system comprising:

the integrated sensor device according to claim 3;

a plurality of containers, each of which has a lid partly or wholly made by thin membrane, for sealing the integrated sensor device one by one inside together with gas or liquid to maintain the integrated sensor device in stability;

an actuator for actuating predetermined number of the integrated sensor devices stored in the container to be usable and for removing the deteriorated integrated sensor device by opening an aperture in the thin membrane of the container;

a controller for controlling operation of the actuator based on decision of whether performance of the integrated sensor device is deteriorated or predetermined time for use terminates; and

an antenna unit for receiving the measurement result transmitted from the integrated sensor device in use and for transmitting energy to be supplied to the integrated sensor device.

22. (New) A container device comprising storage for storing a plurality of the integrated sensor devices according to claim 2, in seal.

23. (New) A container device comprising storage for storing a plurality of the integrated sensor devices according to claim 3, in seal.

24. (New) A container device comprising storage for storing the integrated sensor device according to claim 2, in seal one by one.

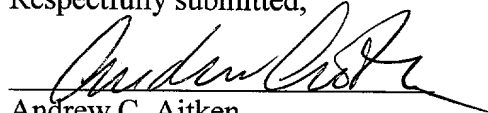
25. (New) A container device comprising storage for storing the integrated sensor device according to claim 3, in seal one by one.

REMARKS

This Preliminary Amendment is made to eliminate multiple claim dependency. Examination on the merits of the application is requested. A marked up version showing the changes made to the claims is attached.

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Respectfully submitted,



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MARKED UP VERSION OF CLAIMS

3. (Amended) The integrated sensor device according to claim 1 [or 2], wherein the control unit has memory for pre-storing correcting information to correct the measurement result of the detection unit, and in operation the control unit corrects the measurement result in accordance with the correcting information and transmits the corrected measurement result from the antenna unit.

4. (Amended) A reading device comprising:

an antenna unit for receiving the measurement result transmitted from the integrated sensor device according to claim 1[, 2, or 3], and for transmitting energy to be supplied to the integrated sensor device; and

a display unit for displaying information on the measurement result received from the integrated sensor device through the antenna unit.

5. (Amended) A measuring system comprising:

the integrated sensor device according to claim 1[, 2, or 3];

a container for storing a plurality of the integrated sensor devices;

an actuator for actuating predetermined number of the integrated sensor devices stored in the container to be usable and for removing the deteriorated integrated sensor device;

a controller for controlling operation of the actuator based on decision of whether performance of the integrated sensor device is deteriorated or predetermined time for use terminates; and

an antenna unit for receiving the measurement result transmitted from the integrated sensor device in use and for transmitting energy to be supplied to the integrated sensor device.

6. (Amended) A measuring system comprising:

the integrated sensor device according to claim 1[, 2, or 3];

a plurality of containers, each of which stores the integrated sensor device one by one;

an actuator for actuating predetermined number of the integrated sensor devices stored in the container to be usable and for removing the deteriorated integrated sensor device;

a controller for controlling operation of the actuator based on decision of whether performance of the integrated sensor device is deteriorated or predetermined time for use terminates; and

an antenna unit for receiving the measurement result transmitted from the integrated sensor device in use and for transmitting energy to be supplied to the integrated sensor device.

7. (Amended) The measuring system according to claim 5 [or 6], wherein the container has a seal to prevent invasion of gas or liquid from outside.

9. (Amended) The measuring system comprising:

the integrated sensor device according to claim 1[, 2, or 3];

a plurality of containers, each of which has a lid partly or wholly made by thin membrane, for sealing the integrated sensor device one by one inside together with gas or liquid to maintain the integrated sensor device in stability;

an actuator for actuating predetermined number of the integrated sensor devices stored in the container to be usable and for removing the deteriorated integrated sensor device by opening an aperture in the thin membrane of the container;

a controller for controlling operation of the actuator based on decision of whether performance of the integrated sensor device is deteriorated or predetermined time for use terminates; and

an antenna unit for receiving the measurement result transmitted from the integrated sensor device in use and for transmitting energy to be supplied to the integrated sensor device.

10. (Amended) A container device comprising storage for storing a plurality of the integrated sensor devices according to claim 1[, 2, or 3], in seal.

11. (Amended) A container device comprising storage for storing the integrated sensor device according to claim 1[, 2, or 3], in seal one by one.